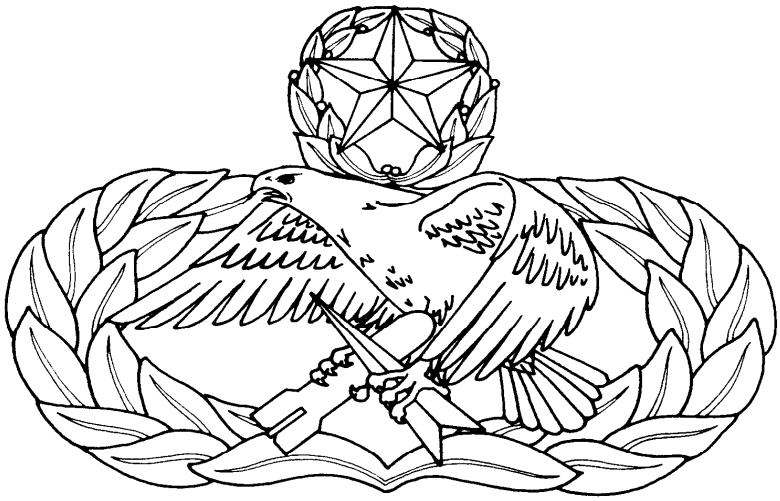
DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1030

CFETP 2A6X1B
Parts I and II
February 1997

AFSC 2A6X1B

AEROSPACE PROPULSION TURBOPROP AND TURBOSHAFT



CAREER FIELD EDUCATION

AND TRAINING PLAN

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AEROSPACE PROPULSION TURBOPROP/TURBOSHAFT ENGINE SPECIALTY AFSC 2A6X1B

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Supersedes CFETP 2A6X1B, Jul 96
AFJQS 454X0B-101, Jan 90
AFJQS 454X0B-102, Aug 90

Approved by: HQ USAF/ILMM (CMSgt L. Funk)
OPR: 361 TRS/RJ (J. Manzo)
Number of Printed Pages: 46

PART II **Page**

AEROSPACE PROPULSION TURBOPROP/TURBOSHAFT ENGINE SPECIALTY

AFSC 2A6X1B
CAREER FIELD EDUCATION AND TRAINING PLAN

Part I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. ***NOTE:*** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.
2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, and other); Section D indicates resource constraints, some examples are funds, manpower, equipment, facilities. Section E identifies transition training guide requirements for SSgt through MSgt.
2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course, core task, and correspondence course requirements; Section B contains the course objective list and training standards supervisors will use to determine if airmen satisfied training requirements; Section C identifies available support materials, an example is a Qualification Training Package (QTP) which may be developed to support proficiency training). These packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications.* Section D identifies a training course index supervisors can use to determine resources available to support training, included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATION/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Allocation Curves. The relation of hours of training in different training settings to the degree of proficiency which can be achieved on specified performance requirements.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Career Training Guide (CTG). A document that uses Task Modules (TMs) in lieu of tasks to define performance and training requirements for a career field.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force career field managers (AFCFMs) identify as a minimum qualification requirement within an Air Force specialty or duty position. These tasks exemplify the essence of the career field - the foundation. Core tasks identified with an */R are optional for AFRES and ANG.

Course Objective List (COL). A publication, derived from initial/advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs.

Course Training Standard (CTS). A CTS is developed for all courses not governed by an STS, including specialized training packages and computer-based training courses.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a field training detachment (FTD) or by a mobile training team.

Instructional System Development (ISD). A deliberate and orderly, but flexible process for planning, developing, implementing, and managing instructional systems. It ensures personnel are taught in a cost efficient way the knowledge, skills, and attitudes essential for successful job performance.

Initial Skills Training. A formal resident course which results in award of the entry level.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training conducted to certify personnel in both upgrade (skill level award) and job qualification (duty position certification) training.

Optimal Training. The ideal combination of training settings resulting in the highest levels of proficiency on specified performance requirements within the minimum time possible.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an individual in a specific duty position. This portion of the dual channel on-the-job training program occurs both during and after the upgrade training process. It is designed to provide the performance skills required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Representative Sites. Typical organizational units having similar missions, weapon systems or equipment, or a set of jobs, used as a basis for estimating average training capacities and costs within the Training Impact Decision System (TIDES).

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

Skills Training. A formal course which results in the award of a skill level.

Specialty Training. A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in the award of a skill level.

Specialty Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes skills and knowledges that airman in a particular Air Force specialty needs on the job. It further serves as a contract between the Air Education and Training Command and the user to show the overall training requirements for an Air Force specialty code that the formal schools teach.

Standard. An exact value, a physical entity, or an abstract concept, established and defined by authority, custom, or common consent to serve as a reference, model, or rule in measuring quantities or qualities, establishing practices or procedures, or evaluating results. A fixed quantity or quality.

Task Module (TM). A group of tasks performed within an Air Force specialty that are performed together and that require common knowledge, skills, and abilities. TMs are identified by an identification code and a statement.

Total Force. All collective Air Force components (active, reserve, guard, and civilian elements) of the United States Air Force.

Training Capacity. The capability of a training setting to provide training on specified requirements, based on the availability of resources.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist Air Force career field managers in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Training Planning Team (TPT). Comprised of the same personnel as a U&TW, however TPTs are more intimately involved in training development and the range of issues are greater than is normal in the U&TW forum.

Training Requirements Analysis. A detailed analysis of tasks for a particular AFS to be included in the training decision process.

Training Setting. The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study etc.).

Upgrade Training (UGT). Mandatory training which leads to attainment of higher level of proficiency.

Utilization and Training Pattern. A depiction of the training provided to and the jobs performed by personnel throughout their tenure within a career field or Air Force specialty.

There are two types of patterns: 1) Current pattern, which is based on the training provided to incumbents and the jobs to which they have been and are assigned; and 2) Alternate pattern, which considers proposed changes in manpower, personnel, and training policies.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in this AFS should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:
1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individuals career.
1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.
1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.
2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.
2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident

training, contract training, or exportable courses. MAJCOM-developed training to support this AFSC must be identified for inclusion into plan.
2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training. Applicable inputs will be routed to 361 TRS/RJ**,** 501 Missile Road Sheppard AFB TX 76311-2264.

Section B - Career Progression and Information

4. Specialty Description.
4.1. Inspects, maintains, modifies, tests, services, and repairs propellers, turboprop/turboshaft engines, jet engines, small gas turbine engines, and engine ground support equipment (SE). Manages aerospace propulsion functions and activities. Related DoD occupational Subgroup: 601**.**
4.2. Duties and Responsibilities:
4.2.1. Plans, organizes, and directs aerospace propulsion maintenance activities. Interprets and implements directives and publications pertaining to maintenance functions, including environmentally safe maintenance practices. Determines resource requirements, including facilities, equipment, and supplies. Inspects and evaluates maintenance activities. Encourages quality air force activities.
4.2.2. Advises, performs troubleshooting, and determines repair procedures on aircraft engines and propellers. Diagnoses and repairs malfunctions using technical publications. Solves maintenance problems by studying drawings, wiring and schematic diagrams, technical instructions, and analyzing operating characteristics of aircraft engines and propellers. Inspects and approves completed maintenance actions.
4.2.3. Removes, installs , inspects, repairs, and modifies engines, engine modules, engine components, propellers and propeller components. Disassembles and assembles engines and propellers adhering to prescribed procedures. Prepares engines for installation, storage, or transportation. Tests components using bench mockups and test equipment. Installs and removes engines on test stands, and operates, evaluates, and performs test stand functions on engines. Accomplishes operator maintenance on test stands. Inspects and maintains engine ground SE. Operates and performs operator inspections on related SE. Selects, uses, and cares for special tools, and hand tools, and test equipment. Uses and disposes of hazardous waste materials adhering to prescribed procedures.
4.1.4. Analyze, interpret. and recommend maintenance actions based on unscheduled engine removals and engine monitoring system data. Coordinate with the base engine manager to analyze scheduled engine removals; recommend forecast actions to the weekly or monthly maintenance schedules.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career.

5.1. Apprentice (3)Level Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course and Task Qualification Training and other exportable courses to progress in the career field. Once task certified, a trainee may perform the task unsupervised.

5.2. Journeyman (5)Level. Once upgraded to the 5-level, journeymen will enter into continuation training to broaden their experience base. Five-levels may be assigned job positions such as test cell, inspection dock, dispatch, and various staff positions. It is recommended five-levels attend all available FTD courses, and MAJCOM specific training. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air force. After ALS 5-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for testing under WAPS. They should also consider continuing their education toward a CCAF degree.

5.3. Craftsman (7) Level. A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, production supervisor, and task certifier. They will also be assigned to work in staff positions. Seven-levels should take courses or obtain added knowledge on management of resources and personnel, and attend the 7-level resident course. Continued academic education through CCAF and higher degree programs is encouraged. In addition when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

5.4. **Superintendent (9) Level.** A 9-level can be expected to fill positions such as flight chief, production supervisor, and various staff NCOIC jobs, Additional training in the areas of budget, manpower, resources and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the aerospace propulsion turboprop/turboshaft engine career field. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made at the Utilization and Training Workshop held at Sheppard AFB 16 Sep - 20 Sep 96.

6.1. **Initial Skills Training.** Initial/Entry level training is developed and taught by AETC. The following areas were recently added or expanded in the 3-level course for mission ready technicians (MRT) initiatives: Selection and use of handtools, engine hardware, safetying devices, and the removal and installation of five level core task STS elements. The initial skills course is organized to support the 2-level maintenance concept for the T56 engine and all MRT elements will be certified on the T56 engine.

6.2. **Five Level Upgrade Requirements.** Along with the time specifications spent in OJT and completing AF directed core tasks, the 5-level CDCs must be completed prior to being awarded a 5-level. The 5-level CDCs were revised to include needed material with emphasis in the following areas: The C-130 GTC, T56 overheat and fire detection, and adding the T64 engine. The following general elements are identified as core tasks for upgrade to the five level: using technical publications, CAMS/SBSS, AFTO Form documentation, selection and use of handtools, and the selection and use of hardware and safetying devices. For engine related core tasks the following were identified: Removing and installing the engine and propeller, removing and installing engine plumbing, oil cooler flap actuator, valve housing, starter, temperature datum amplifier, speed sensitive control, temperature datum valve, starter control valve, fuel shut-off actuator, coordinator, ignition relay, oil cooler, and servicing the propeller.
6.3. **Seven Level Upgrade Requirements.** The 7-level resident course was revised to provide enhanced training in maintenance management and propulsion systems maintenance. Advanced troubleshooting techniques include using test equipment and flowcharts/wiring diagrams. The 7-level CDC was revised to include a broader range of maintenance management and advanced information and systems knowledge on all turboprop/turboshaft engines and propeller systems. Seven-level upgrade training will be accomplished by completing a 7-level CDC, Air Force directed core tasks, exportable courses (when available) and attending a 7-level resident course.
6.4. **Proficiency Training.** Any additional knowledge and skill requirements which were not taught through initial skills or upgrade training were assigned to continuation training. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs must develop a continuation training program that ensures individuals in the Aerospace Propulsion Turboprop/Turboshaft Engine career field receive the necessary training at the appropriate point in their career. The training program will identify both mandatory and optional training requirements.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:
7.1. **Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.
7.2. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.
7.3. **Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective (Technical Education; Leadership, Management, and Military Studies; or General Education)	15
Total	64

7.3.1. **Technical Education** (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.
7.3.2. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.
7.3.3. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.
7.3.4. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.
7.3.5. **Program Elective** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.
7.4. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path.

8.1. **Manpower Table.**

Table A8.1. Manpower Table.

	CMSgt	SMSgt	MSgt	TSgt	SSgt	S rA	A1C
Base Level	142	71	68	133	306	344	243
MAJCOM Staff	20	12	7	0	0	0	0
HQ USAF Staff	1	0	0	0	0	0	0
FOA/DRU	1	0	0	0	0	0	0
Other	3	2	2	2	0	0	0
Total	167	85	77	135	306	344	243

8.2. **Enlisted Career Path.**

Table A8.2. Enlisted Career Path				
Education and Training Requirements	**GRADE REQUIREMENTS**			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training school				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Complete 3 months duty position/apprentice experience **before** beginning journeyman training. - Minimum 12 months on-the-job training. - Complete appropriate CDC if/when available. - Sew-on SrA for award of the 5-skill level.	SrA	3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	**Trainer** - ALS graduate. - Possess the same AFSC at a higher skill level than the trainee, and be certified to train others. - Must attend formal OJT Trainer Training and appointed by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
	Certifier - Possess at least a 7-skill level in the same AFSC, if possible but not required. - Attend formal OJT Certifier Course and appointed by Commander. - Be a person other than the trainer.			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent 9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

Section C, Skill Level Training Requirements

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

10. Specialty Qualification: The various skill levels in this career field are defined in terms of tasks and knowledge proficiency requirements for each skill level. They are stated in broad general terms and establish the standards of performance. The specific task and knowledge training requirements are identified in the STS in Part II, Section A of the CFETP. Unit work centers must develop a structured training program to ensure the following requirements are met.

10.1. **Apprentice Level Training:**

10.1.1. **Specialty Qualification**Error! Bookmark not defined**.** Knowledge is mandatory of mechanical, hydromechanical, electrical, and hydraulic principles applying to jet and turboprop engines, and propellers, oil analysis principles; wear metal criteria and guidelines; concepts and application of maintenance directives; using and interpreting diagrams and technical publications; and proper handling, use, and disposal of hazardous waste materials

10.1.1.1. **Knowledge.** To perform the duties at the 3-skill level, an individual must be able to understand basic system theory of operation and be able to perform certain organizational maintenance level tasks under close supervision until they are task certified. A 3-level must be able to use technical data, common hand tools, and special test equipment. Apprentices must be qualified to remove and install system components, perform engine/propeller change, use SE, trace system schematic flow on system schematic diagrams, and document maintenance actions in the automated data system.

10.1.1.2. **Education.** For entry into this specialty, completion of high school with courses in general science, mechanics, or mathematics is desirable.

10.1.1.3. **Training.** For award of AFSC 2A631B, completion of a basic aerospace propulsion maintenance course is mandatory.

10.1.1.4. **Experience.** This specialty has no mandatory/prerequisite military or civilian work experience for entry.

10.1.1.5. **Other.** For entry into this specialty normal color vision is required as defined in AFMAN 48-123 is mandatory.

10.1.2. **Training Sources and Resources.** The initial skills course will provide the required knowledge and qualifications. Initial skills training encompasses turboprop engine theory and operating principles, system operation, component removal and operation, introduction to general flight line maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use.

10.1.3. **Implementation.** Upon graduation from Basic Military Training, airmen are assigned to the training center for completion of the Aerospace Propulsion Apprentice, Turboprop/Turboshaft Engine Course: J3ABR2A631B 002. Completion of this course will award the 3-skill level.

10.2. **Journeyman Level Training:**
10.2.1 **Specialty Qualification.** Qualification in and possession of AFSC 2A631B. Also, experience in functions such as installing, maintaining, or repairing aerospace aircraft engines or propellers. A journeyman must be task qualified on inspecting turboprop and turboshaft engine/propeller components, systems, correcting system malfunctions, repairing and replacing system components, operational checks, and use and maintenance of test and support equipment.
10.2.1.1. **Knowledge.** In addition to the 3-level qualifications, an individual must possess the knowledge and skill necessary to maintain turboprop and turboshaft engines. A 5-level must be task qualified on inspecting turboprop and turboshaft engine/propeller components, systems, correcting system malfunctions, repairing and replacing system components, operational checks, and the use and maintenance of test and support equipment.
10.2.1.2. **Education.** Requirements are as defined for the apprentice level. For entry into this specialty, completion of high school with courses in general science, mechanics, or mathematics is desirable.
10.2.1.3. **Training.** Requirements for the Journeyman Level require completion of the 5-level CDC and completion of the core tasks specified in the STS.
10.2.1.4. **Experience.** The minimum experience must include being task certified on all 5-level core tasks, completion of the 5-level CDC, minimum 12 months OJT, and any duty position requirements identified by the supervisor.
10.2.1.5. **Other.** For entry into this specialty normal color vision is required as defined in AFMAN 48-123 is mandatory.
10.2.2. **Training Sources and Resources.** The 5-level CDC provides the career knowledge and training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provide more in-depth knowledge to support OJT requirements.
10.2.3. **Implementation.** Training to the 5-level is performed by the units, utilizing the STS, AFJQS, and CDCs. Upgrade to the 5-level requires completion of the 2A651B CDC, completion of all core tasks, minimum of 12 months OJT, and promotion to E-4.
10.3. **Craftsman Level Training:**
10.3.1 **Specialty Qualification.** Qualification in and possession of AFSC 2A651B. Also, experience performing or supervising functions involving installation, repair, testing or modification of engines or propellers.
10.3.1.1. **Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of engine/propeller maintenance. The 7-level must be able to supervise and train personnel to maintain turboprop and turboshaft engines. The 7-level must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.
10.3.1.2. **Education.** There are no additional educational requirements beyond those defined for the apprentice level. For entry into this specialty, completion of high school with courses in general science, mechanics, or mathematics is desirable.
10.3.1.3. **Training.** The 7-level CDC provides the career training required. The CDC is written to build from the trainee's current knowledge base and provide more in-depth knowledge to support OJT requirements. Qualification training and OJT will provide training and qualification

on the core tasks identified in the STS or AF/JQS. Seven-level upgrade training will be conducted by certified trainers using AF core tasks, unit/MAJCOM specific courses, and formal 7-level course. The 7-level course is written to provide advanced system knowledge and troubleshooting skills.

10.3.1.4. **Experience**. Qualification in and possession of AFSC 2A651B. Also, experience performing or supervising functions involving installation, repair, testing or modification of engines or propellers. The minimum experience must include being task certified on all 7-level core tasks, completion of the 7-level CDC, 18 months OJT, and any duty position requirements identified by the supervisor.

10.3.1.5. **Other.** For entry into this specialty normal color vision is required as defined in AFMAN 48-123 is mandatory.

10.3.2. **Training Sources and Resources.** The 7-level CDC and 7-level resident course provide the career knowledge and training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provide more in-depth knowledge to support OJT requirements

10.3.3. **Implementation.** Training to the 7-level is performed by the units utilizing the STS, AFJQS, and CDCs. Upgrade to the 7-level requires completion of the 2A671B CDC, completion of all core tasks, 18 months OJT, completion of the advanced (Craftsman) technical school and promotion to E-5.

10.4. **Superintendent Level Training.**

10.4.1 **Specialty Qualification.** Qualification in and possession of AFSC 2A671A or 2A671B. Also, experience managing or directing repair activities for aerospace aircraft engines, propellers, and associated maintenance functions.

10.4.1.1. **Knowledge**. In addition to the 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft propulsion systems. The 9-level must be an effective leader and must be able to manage funding and other assigned resources. They must also be knowledgeable of all environmental standards and ensure adherence to the proper handling and disposal of hazardous materials and waste.

10.4.1.2. **Education.** There are no additional educational requirements beyond those defined for the apprentice level. For entry into this specialty, completion of high school with courses in general science, mechanics, or mathematics is desirable.

10.4.1.3. **Training.** For award of AFSC 2A691, completion of applicable PME courses and promotion to SMSgt is mandatory.

10.4.1.4. **Experience.** Qualification in and possession of AFSC 2A671A or 2A671B. Also, experience managing or directing repair activities for aerospace aircraft engines, propellers, and associated maintenance functions.

10.4.1.5. **Other.** For entry into this specialty normal color vision is required as defined in AFMAN 48-123 is mandatory.

10.4.2. **Training Sources/Resources.** The Senior NCO Academy and unit OJT will be used for training.

10.4.3. **Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, promotion to SMSgt, and completion of the Senior NCO Academy.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training Constraints:
12.1. **Constraint:** Insufficient number of T56 engines and tools.
12.1.1. **Impact:** Not capable to train to a 3c proficiency without additional engines and equipment.
12.1.2. **Resources Required:** Nine additional T56 engines/stands and CTKs.
12.1.3. **Action Required:** Engines and tools are on order.
12.1.4. **OPR/Target Completion Date:** CTKs - OPR: 361 TRS/RJ. The nine stands and engines - OPR: 361 TRS/RJ OCR: All MAJCOMS. Completion dates are unknown.

13. Five Level Training Constraints: There are no 5-level constraints.

14. Seven-Level Training Constraints: There are no 7-level constraints.

Section E. Transitional Training Guide

There are currently no transition training requirements. This area reserved.

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for 3-level classes beginning 3 July 1997 and graduating 10 October 1997 and 7-level classes starting 12 May 1997 and graduating 23 May 1997. It will also be used for both 5-level and 7-level CDCs.

2. Purpose. As prescribed in AFI 36-2201, this STS:
2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an */R are optional for AFRES and ANG.
2.2. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date. Certification on all shop/flightline core tasks applicable to at least one MDS aircraft assigned must be completed for skill level upgrade. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade.
2.3. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listings.
2.4. **Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
2.5. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:
2.5.1. **Documentation.** Document and certify completion of training. Identify duty position requirements by circling the subparagraph number next to the task statement. Use of attachments one and two (1 and 2) is mandatory (or automated records); use of attachment three (3) is optional based upon duty position requirements. As a minimum, complete the following columns in Part 2 of the CFETP: Training Completed, Trainee Initials, Trainer Initials, Certifier Initials (if applicable). An AFJQS may be used in lieu of Part II of the CFETP only upon approval of the AFCFM.
2.5.1.1. **Converting from Old Document to CFETP.** All AFJQSs and previous CFETPs were replaced by this CFETP; therefore, conversions of all training records to this CFETP STS are mandatory. Automated records reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter certifier's initials. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify with current date and certifier's initials.

2.5.1.2. **Documenting Career Knowledge.** When a CDC is not available: the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. ***NOTE:*** Career Knowledge must be documented prior to submitting a CDC waiver.

2.5.1.3. **Decertification and Recertification.** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid (if the entries were made in ink) over the previously certified entry.

2.5.2. **Training Standard.** Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

2.6. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard.

3. Recommendations. Report unsatisfactory performance of individual course graduates to 361 TRS/RJ, 501 Missile Road, Sheppard AFB TX, 76311-2264. For quick response to problems, call the 24-hour customer service information line, DSN 736-5236. Reference specific STS paragraphs.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WILLIAM P. HALLIN, Lieutenant General, USAF
DCS/Installations and Logistics

3 Attachments
1. Proficiency Code Key
2. Knowledge and Performance Requirements for 2A6X1B
3. Helicopter specific knowledge and performance requirement

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written)	SSAN
Printed Name Of Certifying Official And Written Initials		
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	**1**	**Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)**
	2	**Can do most parts of the task. Needs only help on hardest parts. (Partially Proficient)**
	3	**Can do all parts of the task. Needs only a spot check of completed work. (Competent)**
	4	**Can do the complete task quickly and accurately. Can tell or show others how to do the task. (Highly Proficient)**
***Task Knowledge Levels**	**a**	**Can name parts, tools, and simple facts about the task. (Nomenclature)**
	b	**Can determine step by step procedures for doing the task. (Procedures)**
	c	**Can identify why and when the task must be done and why each step is needed. (Operating Principles)**
	d	**Can predict, isolate, and resolve problems about the task. (Advanced Theory)**
****Subject Knowledge Levels**	**A**	**Can identify basic facts and terms about the subject. (Facts)**
	B	**Can identify relationship of basic facts and state general principles about the subject. (Principles)**
	C	**Can analyze facts and principles and draw conclusions about the subject. (Analysis)**
	D	**Can evaluate conditions and make proper decisions about the subject. (Evaluation)**

Explanations

*** A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)**

**** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.**

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.

X This mark is used alone in course columns to show that training is required but not given due to limitations in resources.

***/R This mark is used to identify a core task that is optional for AFRES and ANG.**

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
NOTE 1: Tasks and knowledge identified by an asterisk (*) in column 1 are trained in resident wartime courses. NOTE 2: Blank spaces have been added to other testers, other systems, and other accessories to facilitate task certification on items not otherwise listed.													
A2.1. CAREER FIELD PROGRESSION TR: AFIs 36-2101								-	A	-	-		
*A2.2. QUALITY AIR FORCE AWARENESS TR: AFH 90-502								A	-	-	-		
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFRs 127-2, AFIs 91-202, 91-301, 91-302 and applicable aircraft and engine TOs													
*A2.3.1. AFOSH standards for 2A6X1B								A	B	-	-		
*A2.3.2. Hazards of AFSC 2A6X1B								A	B	-	-		
A2.3.3. Aircraft Safe for Maintenance								-	B	-	-		
*A2.3.4. Keep work area safe	*							2b	B	-	-		
A2.4. Foreign object damage (FOD) TR: AFI 21-101													
*A2.4.1. FOD prevention								B	B	-	-		
A2.4.2. FOD Program Manager								-	-	B	-		
A2.5. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFOSH STD 161-21.1W													
*A2.5.1. Initial Federal Hazard Communication Training Program								A	-	-	-		
*A2.5.2. Hazardous material program								-	-	-	B		
*A2.5.3. Types of hazardous materials/ fluids								A	B	-	-		
*A2.5.4. Handling procedures								A	B	-	-		
*A2.5.5. Storage and labeling								A	B	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
*A2.5.6. Proper disposal								A	B	-	-		
A2.6. ENLISTED SPECIALTY TRAINING TR: AFIs 36-2201 and 36-2232													
*A2.6.1. Training requirements								-	-	B	B		
A2.6.2. OJT trainer requirements								-	-	-	-		
A2.6.2.1. Prepare teaching outlines or task breakdowns								-	-	-	-		
A2.6.2.2. Provide trainee theory and train on actual equipment								-	-	-	-		
A2.6.2.3. Give feedback on training provided								-	-	-	-		
A2.6.3. OJT task certifier requirements													
A2.6.3.1. Develop methods of evaluation to determine trainee knowledge, qualification, and training effectiveness								-	-	-	-		
A2.6.3.2. Use appropriate method of evaluation and effectively determine trainee's ability								-	-	-	-		
A2.6.3.3. Give supervisor and trainer feedback on results of training provided, and trainee's strengths/ weaknesses								-	-	-	-		
A2.7. TECHNICAL PUBLICATIONS TR: AFPD 21-3; TOs 00-5-1, 00-5-2, and 00-5-15													
*A2.7.1. TO system								B	-	-	-		
*A2.7.2. Use technical pubs	*							2b	-	-	-		
*A2.7.3. TCTOs								A	B	-	-		
*A2.7.4. AFTO Form 22								A	B	B	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.8. SUPPLY MANAGEMENT TR: AFM 67 series and TO 00-20-3													
*A2.8.1. Maintenance supply concept								A	B	B	-		
A2.8.2. Supply document management								-	A	B	-		
*A2.8.3. Status tags								A	B	-	-		
*A2.8.4. AF Form 2005								A	B	-	-		
A2.8.5. Equipment account management								-	A	B	-		
A2.8.6. Depot Level Reparable (DLR)/ Reparable Support Division (RSD)								-	A	B	-		
A2.8.7. Priority system								-	B	B	-		
A2.8.8. Repair cycle assets								-	B	B	-		
*A2.8.9. Precious metals recovery								A	B	-	-		
A2.9. MAINTENANCE MANAGEMENT TR: AFI 21-101, AFR 66-9, TO 00-20 series, and MAJCOM directives													
A2.9.1. Responsibilities of the Operations/ Logistics Group Commander								-	A	B	-		
A2.9.2. Functions within the maintenance complex								-	A	B	-		
A2.9.3. Engine maintenance management Information Systems								-	-	B	-		
*A2.9.4. Logistics maintenance management								-	-	B	B		
*A2.9.5. Resource management								-	-	B	B		
A2.9.6. Mobility								-	-	A	-		
*A2.9.7. Maintenance Accountability								-	-	B	B		
A2.10. PROVIDE AND INTERPRET DATA TR: AFM 66-279 and TO 00-20 series													
*A2.10.1 Engine historical records								A	B	B	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.10.2 Engine status reports								-	B	B	-		
A2.11. MAINTENANCE SYSTEMS, INSPECTION SYSTEMS, AND FORMS TR: AFM 66-279 series; AFI 21-101, TO 00-20 series; TO 00-35D-54; Applicable aircraft WUC manuals and MAJCOM directives													
A2.11.1. Maintenance systems								-	B	-	-		
*A2.11.2. Inspection systems								A	B	-	-		
A2.11.3. Core Automated Maintenance System (CAMS)													
*A2.11.3.1. Use CAMS	*							2b	-	B	-		
*A2.11.3.2. Use Standard Base Supply System (SBSS)	*							2b	-	-	-		
A2.11.4. GO81													
A2.11.4.1. Use GO81	*							-	-	-	-		
A2.11.4.2. Use SBSS								-	-	-	-		
A2.11.5. Document maintenance actions on:													
*A2.11.5.1. Job Data Documentation (JDD) screens	*							2b	-	B	-		
*A2.11.5.2. AFTO Form 350	*							2b	-	-	-		
*A2.11.5.3. AFTO Form 781 series	*							2b	-	B	C		
*A2.11.6. Deficiency reporting system								A	B	B	-		
*A2.11.7. Engine and support equipment warranty program								A	B	-	-		
A2.12. HANDTOOLS TR: TO 32-1-101													
*A2.12.1. Select	*							3c	B	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
*A2.12.2. Use	*							3c	B	-	-		
A2.13. SPECIAL/MEASURING TOOLS TR: TOs 32-1-101, 32-1-201, and applicable engine TOs													
*A2.13.1. Select								2b	B	-	-		
*A2.13.2. Use								2b	B	-	-		
A2.14. TEST EQUIPMENT TR: Applicable engine and prop TOs													
*A2.14.1. Electrical components test equipment		*						3c	B	B	-		
*A2.14.2. Temperature datum control test set		*						3c	B	B	-		
*A2.14.3. Thermocouple resistance tester		*						3c	B	B	-		
A2.14.4. Prop synchrophaser system tester								-	B	-	-		
A2.14.5. Dynamic balancer								-	B	-	-		
A2.14.6. Fuel nozzle flow tester								-	B	-	-		
A2.14.7. Other testers								-	-	-	-		
A2.14.7.1. _____								-	-	-	-		
A2.14.7.2. _____								-	-	-	-		
A2.14.7.3. _____								-	-	-	-		
A2.14.7.4. _____								-	-	-	-		
A2.14.7.5. _____								-	-	-	-		
A2.15. NONPOWERED SUPPORT EQUIPMENT TR: Applicable TOs													
A2.15.1. Operate								-	B	-	-		
A2.15.2. Maintain								-	-	-	-		
A2.15.3. Inspect								-	-	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.16. GENERAL MAINTENANCE TR: TOs 1-1A-8, 1-1A-14, 44B-1-15, and applicable aircraft, engine, and prop TOs													
*A2.16.1. Select hardware	*							3c	B	-	-		
*A2.16.2. Use hardware	*							3c	B	-	-		
*A2.16.3. Use hardware safety devices	*							3c	B	-	-		
*A2.16.4. Bearing handling								A	B	-	-		
A2.17. ELECTRICAL SYSTEMS TR: TO 31-1-141 series; Applicable aircraft, engine, and prop TOs													
*A2.17.1. Principles of basic electricity								A	B	-	-		
*A2.17.2. Trace electrical circuits on wiring diagrams								2b	B	B	3c		
*A2.17.3. Use multimeters		*						2b	B	B	-		
A2.18. ENGINE INSPECTION AND PREVENTIVE MAINTENANCE TR: TO 00-20 series, and applicable aircraft and engine TOs													
*A2.18.1. Perform inspections								1b	B	-	-		
*A2.18.2. Use of borescopes								A	B	-	-		
A2.18.3. Compressor wash cart/unit													
A2.18.3.1. Operate								-	-	-	-		
A2.18.3.2. Maintain								-	-	-	-		
A2.18.3.3. Inspect								-	-	-	-		
A2.18.3.4. Perform wash								-	-	-	-		
*A2.18.4. Damage Analysis								-	-	B	B		
*A2.18.5. Vibration Analysis								-	-	-	C		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.19. ENGINE/PROPELLER/MODULE/ COMPONENT PRESERVATION, SHIPMENT, AND STORAGE TR: TOs 00-20-4, 00-20-5, 00-85-20, 2J-1-18, 6J3-1-12, and applicable engine TOs													
A2.19.1. Preserve								-	B	-	-		
A2.19.2. Depreserve								-	B	-	-		
A2.20. ENGINE AND RELATED SYSTEMS TR: Applicable engine TOs													
*A2.20.1. Operating principles								B	B	-	C		
*A2.20.2. Constructional features								B	B	-	-		
A2.20.3. Read and interpret air and fluid system schematics								-	B	B	-		
A2.20.4. Operation of engine systems													
*A2.20.4.1. Starter								A	B	-	-		
*A2.20.4.2. Ignition								A	B	-	-		
*A2.20.4.3. Oil								A	B	-	-		
*A2.20.4.4. Fuel								A	B	-	-		
*A2.20.4.5. Bleed air								A	B	-	-		
*A2.20.4.6. Anti-icing								A	B	-	-		
*A2.20.4.7. Fire warning								A	B	-	-		
*A2.20.4.8. Temperature datum								A	B	-	-		
*A2.20.4.9. Mechanical control								A	B	-	-		
*A2.20.4.10. Negative torque signal								A	B	-	-		
*A2.20.4.11. Engine indicating								A	B	-	-		
*A2.20.4.12. Overheat Warning								A	B	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
*A2.20.4.13. Oil Cooler Augmentation								A	B	-	-		
*A2.20.4.14. Variable guide vane actuators and linkage systems								-	B	B	c		
A2.20.4.15. Other systems								-	-	-	-		
A2.20.4.15.1. _____								-	-	-	-		
A2.20.4.15.2. _____								-	-	-	-		
A2.20.4.15.3. _____								-	-	-	-		
A2.20.4.15.4. _____								-	-	-	-		
A2.20.4.15.5. _____								-	-	-	-		
A2.20.5. Troubleshoot Systems and components													
A2.20.5.1. Starter		*						-	B	B	-		
A2.20.5.2. Ignition		*						-	B	B	-		
A2.20.5.3. Oil								-	B	-	-		
A2.20.5.4. Fuel								-	B	-	-		
A2.20.5.5. Bleed air		*						-	B	B	-		
A2.20.5.6. Anti-icing								-	B	-	-		
A2.20.5.7. Temperature datum		*						-	B	B	-		
A2.20.5.8. Mechanical control								-	B	-	-		
A2.20.5.9. Negative torque signal								-	B	-	-		
A2.20.5.10. Engine indicating								-	B	-	-		
A2.20.5.11. Fire warning								-	B	-	-		
A2.20.5.12. Overheat Warning								-	B	-	-		
A2.20.5.13. Oil Cooler Augmentation								-	B	-	-		
*A2.20.5.14. Variable guide vane actuators and linkage systems								-	B	B	c		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.20.5.15. Other systems								-	-	-	-		
A2.20.5.15.1. _____								-	-	-	-		
A2.20.5.15.2. _____								-	-	-	-		
A2.20.5.15.3. _____								-	-	-	-		
A2.20.5.15.4. _____								-	-	-	-		
A2.20.5.15.5. _____								-	-	-	-		
A2.21. ENGINE MAINTENANCE TR: TOs 00-20-1, 1-1A-8, 2J-1-13, and applicable aircraft and engine TOs													
A2.21.1. Engine cowling and access panels													
A2.21.1.1. Remove								-	-	-	-		
A2.21.1.2. Install								-	-	-	-		
A2.21.2. Engine mounts													
A2.21.2.1. Remove								-	-	-	-		
A2.21.2.2. Inspect								-	-	-	-		
A2.21.2.3. Install								-	-	-	-		
A2.21.3. Engine plumbing													
*A2.21.3.1. Remove	*							3c/2b	B	-	-		
*A2.21.3.2. Inspect		*						1b	B	B	-		
*A2.21.3.3. Install	*							3c/2b	B	-	-		
A2.21.4. Turbine section													
*A2.21.4.1. Remove								2b	B	B	-		
A2.21.4.2. Disassemble								-	-	-	-		
*A2.21.4.3. Inspect		*						1b	B	B	-		
A2.21.4.4. Assemble								-	-	-	-		
*A2.21.4.5. Install								2b	B	B	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
*A2.21.4.6. Remove turbine rear bearing support (TRBS)								2b	B	-	-		
*A2.21.4.7. Install TRBS								2b	B	-	-		
*A2.21.5. Inspect combustion section								1b	B	-	-		
A2.21.6. Compressor module													
A2.21.6.1. Remove								-	-	-	-		
A2.21.6.2. Disassemble								-	-	-	-		
*A2.21.6.3. Inspect		*						1b	B	-	-		
*A2.21.6.4. Repair								A	B	-	-		
A2.21.6.5. Assemble								-	-	-	-		
A2.21.6.6. Install								-	-	-	-		
A2.21.7. Accessory gearbox													
A2.21.7.1. Remove								-	-	-	-		
A2.21.7.2. Inspect								-	-	-	-		
A2.21.7.3. Install								-	-	-	-		
A2.21.8. Fuel nozzles													
*A2.21.8.1. Remove								3c/2b	B	-	-		
*A2.21.8.2 Clean								A	-	-	-		
*A2.21.8.3. Inspect								1b	B	-	-		
*A2.21.8.4. Install								3c/2b	B	-	-		
A2.21.9. Reduction gearbox													
*A2.21.9.1. Remove								1b	B		-		
*A2.21.9.2. Inspect		*						1b	B	B	-		
*A2.21.9.3. Install								1b	B		-		
A2.21.10. Torquemeter													

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
*A2.21.10.1. Remove								1b	B	-	-		
*A2.21.10.2. Inspect		*						1b	B	B	-		
*A2.21.10.3. Install								1b	B	-	-		
A2.21.11. Remove Accessories													
*A2.21.11.1. Starter	*							3c/-	-	-	-		
*A2.21.11.2. Starter control valve	*							3c/-	-	-	-		
*A2.21.11.3. TD Amp	*							3c/-	-	-	-		
*A2.21.11.4. TD valve	*							3c/-	-	-	-		
*A2.21.11.5. Speed sensitive control	*							3c/-	-	-	-		
A2.21.11.6. Fuel control/HMU		*						-	-	-	-		
A2.21.11.7. Coordinator	*							-	-	-	-		
A2.21.11.8. Fuel shut-off actuator	*							-	-	-	-		
A2.21.11.9. Fuel pump								-	-	-	-		
*A2.21.11.10. Ignition relay	*							3c/-	-	-	-		
A2.21.11.11. Oil cooler	*							-	-	-	-		
A2.21.11.12. Oil pumps								-	-	-	-		
A2.21.11.13. Oil cooler flap actuator	*							-	-	-	-		
*A2.21.11.14. Other accessories								1b	-	-	-		
A2.21.11.14.1. _____								-	-	-	-		
A2.21.11.14.2. _____								-	-	-	-		
A2.21.11.14.3. _____								-	-	-	-		
A2.21.11.14.4. _____								-	-	-	-		
A2.21.11.14.5. _____								-	-	-	-		
*A2.21.12. Inspect Accessories								1b	-	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.21.13. Install Accessories													
*A2.21.13.1. Starter	*							3c/-	-	-	-		
*A2.21.13.2. Starter control valve	*							3c/-	-	-	-		
*A2.21.13.3. TD Amp	*							3c/-	-	-	-		
*A2.21.13.4. TD valve	*							3c/-	-	-	-		
*A2.21.13.5. Speed sensitive control	*							3c/-	-	-	-		
A2.21.13.6. Fuel control/HMU		*						-	-	-	-		
A2.21.13.7. Coordinator	*							-	-	-	-		
A2.21.13.8. Fuel shut-off actuator	*							-	-	-	-		
A2.21.13.9. Fuel pump								-	-	-	-		
*A2.21.13.10. Ignition relay	*							3c/-	-	-	-		
A2.21.13.11. Oil cooler	*							-	-	-	-		
A2.21.13.12. Oil pumps								-	-	-	-		
A2.21.13.13. Oil cooler flap actuator	*							-	-	-	-		
*A2.21.13.14. Other accessories								1b	-	-	-		
A2.21.13.14.1. _____								-	-	-	-		
A2.21.13.14.2. _____								-	-	-	-		
A2.21.13.14.3. _____								-	-	-	-		
A2.21.13.14.4. _____								-	-	-	-		
A2.21.13.14.5. _____								-	-	-	-		
A2.22. ENGINE REMOVAL AND INSTALLATION IN AIRFRAME TR: TOs 1-1A-8, 2J-1-24; and applicable aircraft TOs													
*A2.22.1. Remove	*							2b	B	-	-		
*A2.22.2. Install	*							2b	B	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.22.3. Engine servicing								-	-	-	-		
A2.22.4. Starter servicing								-	-	-	-		
*A2.22.5. Rig engine control linkages		*						1b	B	B	-		
A2.23. AIRCRAFT INSTALLED ENGINE TESTING TR: Applicable aircraft and engine TOs													
A2.23.1. Perform pre-operational checks								-	A	-	-		
A2.23.2. Perform operational checks of engine								-	B	-	-		
*A2.23.3. Evaluate engine performance								-	B	B	2b		
A2.23.4. Adjust engine components								-	B	-	-		
A2.23.5. Perform post-operational checks								-	A	-	-		
A2.23.6. Observe safety and ground procedures								-	-	-	-		
A2.24. TEST STAND ENGINE TESTING TR: TO 33D4 series; Applicable engine TOs													
A2.24.1. Perform pre-operational checks								-	A	-	-		
A2.24.2. Perform operational checks of engine in test stand								-	B	-	-		
A2.24.3. Evaluate engine performance								-	B	B	-		
A2.24.4. Adjust engine components								-	B	-	-		
A2.24.5. Perform post-operational checks								-	A	-	-		
A2.24.6. Install engine on test stand								-	-	-	-		
A2.24.7. Remove engine from test stand								-	-	-	-		
A2.24.8. Observe safety and ground procedures								-	-	-	-		
A2.24.9. Operate, Inspect, and Maintain Test Stand								-	A	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A2.25. SMALL GAS TURBINE ENGINE TR: Applicable aircraft and engine TOs													
*A2.25.1. Systems description								A	B	B	-		
A2.25.2. Remove								-	-	-	-		
A2.25.3. Inspect								-	-	-	-		
A2.25.4. Install								-	-	-	-		
A2.25.5. Service								-	-	-	-		
A2.25.6. Operate Analyzer								-	-	-	-		
A2.25.7. Adjust								-	-	-	-		
A2.26. PROPELLER TR: Applicable TOs													
*A2.26.1. Operating principles								A	B	-	-		
*A2.26.2. Constructional features								A	B	-	-		
*A2.26.3. Remove propeller	*							2b	B	-	-		
A2.26.4. Disassemble								-	B	-	-		
*A2.26.5. Inspect		*						1b	B	-	-		
A2.26.6. Repair								-	B	-	-		
A2.26.7. Assemble								-	B	-	-		
A2.26.8. Static test								-	B	-	-		
*A2.26.9. Install propeller	*							2b	B	-	-		
*A2.26.10. Service propeller	*							a	-	-	-		
*A2.26.11. Adjust propeller		*						1b	B	-	-		
*A2.26.12. Rig propeller linkage		*						2b	B	-	-		
A2.26.13. Perform operational checks								-	B	-	-		
*A2.26.14. Inspect blades								1b	B	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
*A2.26.15. Repair blades								b	B	-	-		
A2.26.16. Control Assembly													
*A2.26.16.1. Remove								1b	B	-	-		
A2.26.16.2. Inspect								-	-	-	-		
A2.26.16.3. Repair								-	-	-	-		
A2.26.16.4. Test								-	-	-	-		
*A2.26.16.5. Install								1b	B	-	-		
A2.26.17. Valve housing assembly													
*A2.26.17.1. Remove	*							1b	B	-	-		
A2.26.17.2. Inspect								-	-	-	-		
A2.26.17.3. Repair								-	-	-	-		
A2.26.17.4. Test								-	-	-	-		
*A2.26.17.5. Install	*							1b	B	-	-		
A2.26.18. Propeller electrical components													
*A2.26.18.1. Remove								1b	B	-	-		
A2.26.18.2. Inspect								-	-	-	-		
A2.26.18.3. Repair								-	-	-	-		
A2.26.18.4. Test								-	-	-	-		
*A2.26.18.5. Install								1b	B	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
NOTE : These items are the few helicopter unique tasks that are too specific to fall under any of the tasks in STS attachment 2. This attachment is provided to facilitate task certification.													
A3.1. TURBOSHAFT ENGINE MAINTENANCE TR: Applicable aircraft and engine TOs													
A3.1.1. Gas generator /hot section module													
A3.1.1.1. Remove								-	-	-	-		
A3.1.1.2. Disassemble								-	-	-	-		
A3.1.1.3. Clean								-	-	-	-		
A3.1.1.4. Inspect								-	-	-	-		
A3.1.1.5. Repair								-	-	-	-		
A3.1.1.6. Assemble								-	-	-	-		
A3.1.1.7. Install								-	-	-	-		
A3.1.2. Accessories													
A3.1.2.1. T5 Limiter													
A3.1.2.1.1. Remove								-	-	-	-		
A3.1.2.1.2. Inspect								-	-	-	-		
A3.1.2.1.3. Install								-	-	-	-		
A3.1.2.2. Power turbine governor													
A3.1.2.2.1. Remove								-	-	-	-		
A3.1.2.2.2. Inspect								-	-	-	-		
A3.1.2.2.3. Install								-	-	-	-		
A3.1.2.3. Surge dampner													
A3.1.2.3.1. Remove								-	-	-	-		
A3.1.2.3.2. Inspect								-	-	-	-		
A3.1.2.3.3. Install								-	-	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A3.1.2.4. Torque control unit													
A3.1.2.4.1. Remove								-	-	-	-		
A3.1.2.4.2. Inspect								-	-	-	-		
A3.1.2.4.3. Install								-	-	-	-		
A3.1.2.5. Chip detectors													
A3.1.2.5.1. Remove								-	-	-	-		
A3.1.2.5.2. Inspect								-	-	-	-		
A3.1.2.5.3. Install								-	-	-	-		
A3.1.2.6. Flow divider													
A3.1.2.6.1. Remove								-	-	-	-		
A3.1.2.6.2. Inspect								-	-	-	-		
A3.1.2.6.3. Install								-	-	-	-		
A3.1.2.7. Overspeed switch													
A3.1.2.7.1. Remove								-	-	-	-		
A3.1.2.7.2. Inspect								-	-	-	-		
A3.1.2.7.3. Install								-	-	-	-		
A3.1.2.8. Motional pickup transducer													
A3.1.2.8.1. Remove								-	-	-	-		
A3.1.2.8.2. Inspect								-	-	-	-		
A3.1.2.8.3. Install								-	-	-	-		
A3.1.2.9. Oil cooler blowers													
A3.1.2.9.1. Remove								-	-	-	-		
A3.1.2.9.2. Inspect								-	-	-	-		
A3.1.2.9.3. Install								-	-	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A3.1.2.10. Oil cooler blower pulley system													
A3.1.2.10.1. Remove								-	-	-	-		
A3.1.2.10.2. Inspect								-	-	-	-		
A3.1.2.10.3. Install								-	-	-	-		
A3.1.2.11. Oil cooler belts													
A3.1.2.11.1. Remove								-	-	-	-		
A3.1.2.11.2. Inspect								-	-	-	-		
A3.1.2.11.3. Install								-	-	-	-		
A3.1.2.12. Digital electronic control (DECU)													
A3.1.2.12.1. Remove								-	-	-	-		
A3.1.2.12.2. Inspect								-	-	-	-		
A3.1.2.12.3. Install								-	-	-	-		
A3.1.2.13. History recorder													
A3.1.2.13.1. Remove								-	-	-	-		
A3.1.2.13.2. Inspect								-	-	-	-		
A3.1.2.13.3. Install								-	-	-	-		
A3.1.2.14. Overspeed drain valve (T700)													
A3.1.2.14.1. Remove								-	-	-	-		
A3.1.2.14.2. Inspect								-	-	-	-		
A3.1.2.14.3. Install								-	-	-	-		
A3.1.2.15. Nf flex shaft													
A3.1.2.15.1. Remove								-	-	-	-		
A3.1.2.15.2. Inspect								-	-	-	-		
A3.1.2.15.3. Install								-	-	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A3.1.2.16. Engine air inlet particle separator													
A3.1.2.16.1. Remove								-	-	-	-		
A3.1.2.16.2. Inspect								-	-	-	-		
A3.1.2.16.3. Install								-	-	-	-		
A3.1.2.17. Air inlet duct													
A3.1.2.17.1. Remove								-	-	-	-		
A3.1.2.17.2. Inspect								-	-	-	-		
A3.1.2.17.3. Install								-	-	-	-		
A3.1.2.18. Fuel manifold (T400)													
A3.1.2.18.1. Remove								-	-	-	-		
A3.1.2.18.2. Inspect								-	-	-	-		
A3.1.2.18.3. Pressure test								-	-	-	-		
A3.1.2.18.4. Install								-	-	-	-		
A3.1.2.19. Variable guide vane actuators and linkage systems													
A3.1.2.19.1. Remove								-	-	-	-		
A3.1.2.19.2. Install								-	-	-	-		
A3.1.2.19.3. Rig								-	-	-	-		
A3.1.2.19.4. Track equipment (T64)													
A3.1.2.19.5.1. Remove								-	-	-	-		
A3.1.2.19.5.2. Install								-	-	-	-		
A3.1.2.20. Automatic fuel control (T400)													
A3.1.2.20.1. Remove								-	-	-	-		
A3.1.2.20.2. Inspect								-	-	-	-		
A3.1.2.20.3. Install								-	-	-	-		

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
			A	B	C	D	E	A 3 Skill Level	B CDC		C 7 Skill Level	EXPORTABLE COURSE	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	5	7	Course	5 LVL	7 LVL
A3.1.2.20.4. Rig								-	-	-	-		
A3.2. APP DRIVE SHAFT MAINTENANCE TR: Applicable aircraft and engine TOs													
A3.2.1. Install								-	-	-	-		
A3.2.2. Align								-	-	-	-		

Summary of Changes: Over 50% of the STS has changed. Many line items were added in an attempt to better define training requirements. MRT has driven changes to the 3 skill level course. The tasks in the 3-level column with proficiencies of 3c will be certified during the initial skills training to support MRT. The T64 and APP engines are being taken out of the 7-level CDCs and put into the 5-level CDCs. The 7-level CDC and 7 skill level course were examined and changed to incorporate more management training. Also, STS attachment 3 was added to cover helicopter unique line items.

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. remove fuel control). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how its measured. All objectives use the **PC** code which indicates a progress check is used to measure subject or task knowledge. **W** indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. **PC/W** indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard. The standard is 70% on written examinations. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each students progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the "2b" proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the "3c" proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objective. The detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to Mr. Joseph Manzo, 361 TRS/RJ, 501 Missile Road, Sheppard AFB TX, 76311-2264.

Section C - Support Material

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. For further information on the following FTD courses, contact the 982 TRG OPRs at:

373 TRS, 912 I Avenue Suite 4, Sheppard AFB, TX 76311-2362. DSN 736-4754

Course Number	Course Title	Developer
J4AMF/ASF/AST2A6X1B 000	T64-7/T-62/27 Turboshaft Propulsion Technician (O&I)	982 TRG
J4AMF/ASF/AST2A6X1B 002	H-1N, (T400) Turboshaft Propulsion Technician	982 TRG
J4AMF/ASF/AST2A6X1B 006	Propeller 54H60-91 (I/M)	982 TRG
J4AMF/ASF/AST2A6X1B 007	Propeller HS 54H60-91 (O/M)	982 TRG
J4AMF/ASF/AST2A6X1B 009	T56-A-7B/15 Turboprop/ Turboshaft Prop Tech (I/M)	982 TRG
J4AMF/ASF/AST2A6X1B 011	T56-A-7B/15 62/27 Turbo Eng Tech (O/M)	982 TRG
J4AMF/ASF/AST2A6X1B 013	H-60 Turboshaft Propulsion Technician (O&I)	982 TRG

Section D - Training Course Index**{**tc "Section D, Training Course Index"\l 2\n **}**

9. Purpose. This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs. Contact the OPRs at:
HQ AMC/LGQRT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225. DSN 576-4787

HQ AFSOC: 16 SOW, 16 LSS/LGLT, 122 Bennett Ave, Hurlburt Field, Fla 32544.
DSN 579-1187

COURSE NUMBER	TITLE	MAJCOM
51496	C-130 Starter Service	AMC
51665	C-130H APU Operation	AMC
52615	C-130H Engine Oil Service	AMC
600232	C-130 GTC Oil Servicing	AMC
603723	C-130 Propeller Servicing	AMC

9. (cont.)

COURSE NUMBER	TITLE	MAJCOM
607079	C-130 GTC Operator	AMC
53089	H-1N Engine Motoring	AMC
52663	H-1N Oil Servicing	AMC
QTP	H-53 Engine Motoring	AFSOC
QTP	MH-53 APP operator	AFSOC
QTP	MH-60 Engine General	AFSOC

10. Air Force In-Residence Courses.

COURSE NUMBER	TITLE	LOCATION	USER
J3ABR2A631B 002	Aerospace Propulsion Apprentice, Turboprop/ Turboshaft	Sheppard AFB	AF
J3ACR2A671B 004	Aerospace Propulsion Craftsman, Turboprop/ Turboshaft Engine	Sheppard AFB	AF

11. Extension Course Institute (ECI) Courses

COURSE NUMBER	TITLE	LOCATION	USER
CDC 2A651B	Aerospace Propulsion Journeyman, Turboprop/ Turboshaft Engine	Sheppard AFB	AF
CDC 2A671B	Aerospace Propulsion Craftsman, Turboprop/ Turboshaft Engine	Sheppard AFB	AF

12. Exportable Courses

For further information on the following courses, contact the OPRs at:

361 TRS, 501 Missile Rd., Sheppard AFB, TX 76311-2264. DSN 736-2515

COURSE NUMBER	TITLE	LOCATION	USER
J6AGL2A6X1B 010	GTC-85-71A Small Gas Turbine Engine (VTT/CBT)	Sheppard AFB	AF
J6AGL2A6X1B 012	GTC-85-108L Small Gas Turbine Engine (VTT/CBT)	Sheppard AFB	AF
J6AZU2E066 038	Air Force Technical Order (T.O.) System (Gen)	Sheppard AFB	AF
J6AZU2E066 039	Air Force T.O. System (Adv)	Sheppard AFB	AF
J6AZU2E066 058	Air Force Maintenance Data Collection System (CAMS)	Sheppard AFB	AF
J6AZU2E066 059	Air Force Maintenance Data Collection System (CAMS)	Sheppard AFB	AF
J6AZU2E066 061	Air Force Maintenance Data Collection System (CAMS) Operators Course (Intro)	Sheppard AFB	AF
J6AZU2E066 062	Air Force Maintenance Data Collection System (CAMS) Mid Level Maintenance Mgrs	Sheppard AFB	AF

13. Courses Under Development/Revision. Currently, there are no courses under development/revision.

***Section E - MAJCOM Unique Requirements*Error! Bookmark not defined.**

1. The following list of MAJCOM unique responses is not all inclusive; however, it covers the most frequently referenced areas.

NOTE: There are currently no MAJCOM unique requirements. This area is reserved.